Atlas Tack Corporation Superfund Site
Fairhaven, MA
$10,418,330

The Atlas Tack project was awarded the AGC 2008 AON BUILD AMERICA AWARD

The Atlas Tack Corporation Superfund Site is approximately 14 acres with 4 buildings, operated as a manufacturer of tacks, steel nails, rivets, and bolts from 1901 until 1985. Operations included electroplating, acid-washing, enameling, and painting. Process wastes containing acids, heavy metals such as copper and zinc, and solvents were discharged into drains in the floor of the main building and believed that wastewater from these operations was discharged to an on-site lagoon over a 33-year period.

Phase I – Demolition

Phase I was the demolition of the remaining building structures in the commercial area which included a 3 story manufacturing building, boiler building with a 185' smoke stack including the removal of 3 oil burners and 1 coal boiler, and a 120,000 sf concrete slab.

Charter conducted a comprehensive hazardous materials and asbestos survey of each building. Asbestos materials identified and abated included window caulking on 254 windows, 150 pipe gaskets, and approximately 2,000 sf of surface coating on brick in the boiler room. In addition, 16,000 sf of roofing materials was removed and disposed.

Charter also performed a soil-sampling program in order to determine the presence and scope of potential soil contamination issues in and around the building footprints.

Phase II – Remedial Action Site Preparation and Site Work

- Constructed 6" thick, concrete decontamination pad reinforced with welded wire fabric
- Installed well protection for 14 existing wells
- Constructed asphalt paved staging areas including a dewatering pad, mechanical screening pad, and stabilization area
- Constructed soil stockpile area consisting of a lined and bermed area
- Constructed and maintained 16-ft wide haul roads
- Constructed an earthen berm to control surface water runoff into the marsh and to mitigate the tidal influence in the area
- Excavated and disposed 100,000+ tons of soil off-site from 5 separate areas to multiple facilities utilizing different disposal technologies
- Backfilled and graded over 70,000 cy of gravel and loam
- Water treatment for water generated during the excavation, soil dewatering, treatment, waste handling and decontamination
- Constructed swales, creeks, earthen berms with spillways, and 11 islands contained within a separate freshwater environment

Phase III – Wetland Planting

- Rebuilt and restored 7 acres of tidal marsh including the installation of 200 coir logs to restore creek banks
- Site restoration included loam and seed, wetland and upland plantings and installed over 9,000 sq yd of erosion control blankets
- Installed 10,000 ft of herbivore protection within the planting area

Overview of Planting Quantities	
Shrubs	1,036
Trees	170
Herbaceous Salt Marsh	12,830
Herbaceous Fresh Water	18,561

Phase IV – Commercial Area Restoration

- Removed and fine graded 300,000 sf of temporary stockpile staging area
- Removed haul roads and temporary infrastructure
- Removed and recycled 450 tons of asphalt soil in storage area
- Installed a new drainage culvert
- Loam and hydro-seed 300,000 sf of former storage area